

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Original) An isolated polynucleotide comprising a nucleic acid sequence selected from the group consisting of:
 - (a) a nucleic acid sequence having at least 80% sequence identity to SEQ ID NO: 3, wherein the % sequence identity is based on the entire coding region and is calculated by the GAP algorithm under default parameters, wherein the sequence encodes a polypeptide with RuvB activity; and
 - (b) a nucleic acid sequence which is fully complementary to the nucleic acid sequence of (a).
- (Original) The isolated polynucleotide of claim 1, wherein the nucleic acid sequence has at least 85% sequence identity to SEQ ID NO: 3.
- (Original) The isolated polynucleotide of claim 1, wherein the nucleic acid sequence has at least 90% sequence identity to SEQ ID NO: 3.
- (Original) A recombinant expression cassette, comprising the polynucleotide of claim 1 operably linked to a promoter.
- (Currently Amended) A host cell comprising transformed with the polynucleotide of claim 1.

- 6. (Original) A transgenic plant comprising the polynucleotide of claim 1.
- 7. (Original) The transgenic plant of claim 6, wherein said plant is a monocot.
- 8. (Original) The transgenic plant of claim 6, wherein said plant is a dicot.
- 9. (Original) The transgenic plant of claim 6, wherein the plant is selected from the group consisting of corn, soybean, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, and millet.
- (Original) A transgenic seed from the transgenic plant of claim 6, wherein the seed comprises the polynucleotide.
- 11. (Original) An isolated polynucleotide comprising a nucleic acid sequence selected from the group consisting of:
 - (a) a nucleic acid sequence encoding a polypeptide having at least 80% sequence identity of the entire length of SEQ ID NO: 4, as determined by the GAP algorithm under default parameters, wherein the encoded polypeptide has RuvB activity; and,
 - (b) a nucleic acid sequence which is fully complementary to the nucleic acid sequence of (a).
- 12. (Original) The isolated polynucleotide of claim 11, wherein the polynucleotide encodes a polypeptide having at least 85% sequence identity to SEQ ID NO:
 4.

- 13. (Original) The isolated polynucleotide of claim 11, wherein the polynucleotide encodes a polypeptide having at least 90% sequence identity to SEQ ID NO:4.
- (Original) A recombinant expression cassette comprising the polynucleotide of claim 11 operably linked to a promoter.
- (Currently Amended) A host cell comprising transformed with the polynucleotide of claim 11.
- 16. (Original) The host cell of claim 15, wherein the host cell is a plant cell.
- 17. (Original) A transgenic plant comprising the polynucleotide of claim 11.
- 18. (Original) The transgenic plant of claim 17, wherein said plant is a monocot.
- 19. (Original) The transgenic plant of claim 17, wherein said plant is a dicot.
- 20. (Original) The transgenic plant of claim 17, wherein said plant is selected from the group consisting of maize, soybean, safflower, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, and millet.
- (Original) A transgenic seed from the transgenic plant of claim 17, wherein the seed comprises the polynucleotide.

- 22. (Original) A method of modulating the level of RuvB in a plant cell, comprising:
 - introducing into a plant cell a recombinant expression cassette
 comprising the polynucleotide of claim 1 operably linked to a promoter;
 - (b) culturing the plant cell under plant cell growing conditions; and
 - (c) expressing the polynucleotide for a time sufficient to modulate the level of RuvB in the plant cell.
- 23. (Original) A method of modulating the level of RuvB in a plant, comprising:
 - introducing into a plant cell a recombinant expression cassette
 comprising the polynucleotide of claim 1 operably linked to a promoter;
 - (b) culturing the plant cell under plant cell growing conditions;
 - (c) regenerating a transformed plant comprising the polynucleotide; and
 - (d) expressing the polynucleotide for a time sufficient to modulate the level of RuvB in the plant.
- 24. (Original) The method of claim 23, wherein the plant is maize.
- 25. (Original) A method of modulating the level of RuvB in a plant cell, comprising:
 - introducing into a plant cell a recombinant expression cassette
 comprising the polynucleotide of claim 11 operably linked to a promoter;
 - (b) culturing the plant cell under plant cell growing conditions; and
 - (c) expressing the polynucleotide for a time sufficient to modulate the level of RuvB in the plant cell.

- 26. (Original) A method of modulating the level of RuvB in a plant, comprising:
 - (a) introducing into a plant cell a recombinant expression cassette comprising the polynucleotide of claim 11 operably linked to a promoter;
 - (b) culturing the plant cell under plant cell growing conditions;
 - (c) regenerating a transformed plant comprising the polynucleotide; and
 - (d) expressing the polynucleotide for a time sufficient to modulate the level of RuvB in the plant.
- 27. (Original) The method of claim 26, wherein the plant is maize.